CITY OF SAMMAMISH

KING COUNTY, WASHINGTON

EAST LAKE SAMMAMISH PKWY SE CROSSWALK PROJECT

SOUTH OF SE 33RD STREET

CITY OF SAMMAMISH

CHRISTIE MALCHOW
MAYOR

KAREN MORAN
DEPUTY MAYOR

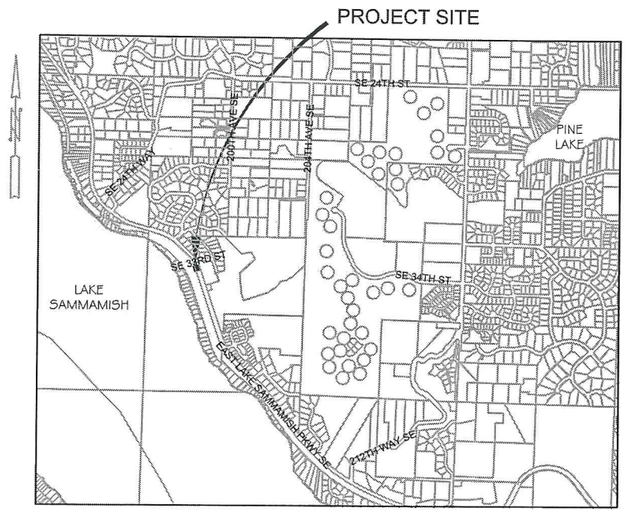
TOM HORNISH
JASON RITCHIE
CHRIS ROSS
PAMELA STUART
RAMIRO VALDERRAMA
COUNCIL

LYMAN HOWARD
CITY MANAGER

STEVE LENISZEWSKI, PE
DIRECTOR OF PUBLIC WORKS

ANDREW ZAGARS, PE
CITY ENGINEER

ISABEL DIAZ, PE
PROJECT MANAGER



VICINITY MAP
NOT TO SCALE

DRAWING INDEX

SHEETS	TITLE
1	TITLE SHEET
2	ROADWAY PLAN
3	TYPICAL ROADWAY SECTIONS
4	REFUGE ISLAND AND TRAFFIC CURB DETAILS
5	SIGN SCHEDULE
6	DRAINAGE PLAN
7-14	STANDARD PLANS AND DETAILS

CONTACT PERSONNEL

PROJECT ENGINEER	(425) 295-0575
COS MAINTENANCE	(425) 952-2115
COS POLICE	(425) 295-0775
EASTSIDE FIRE AND RESCUE	(425) 392-3433

RECOMMENDED FOR APPROVAL:

PROJECT ENGINEER

APPROVED BY:

CITY ENGINEER

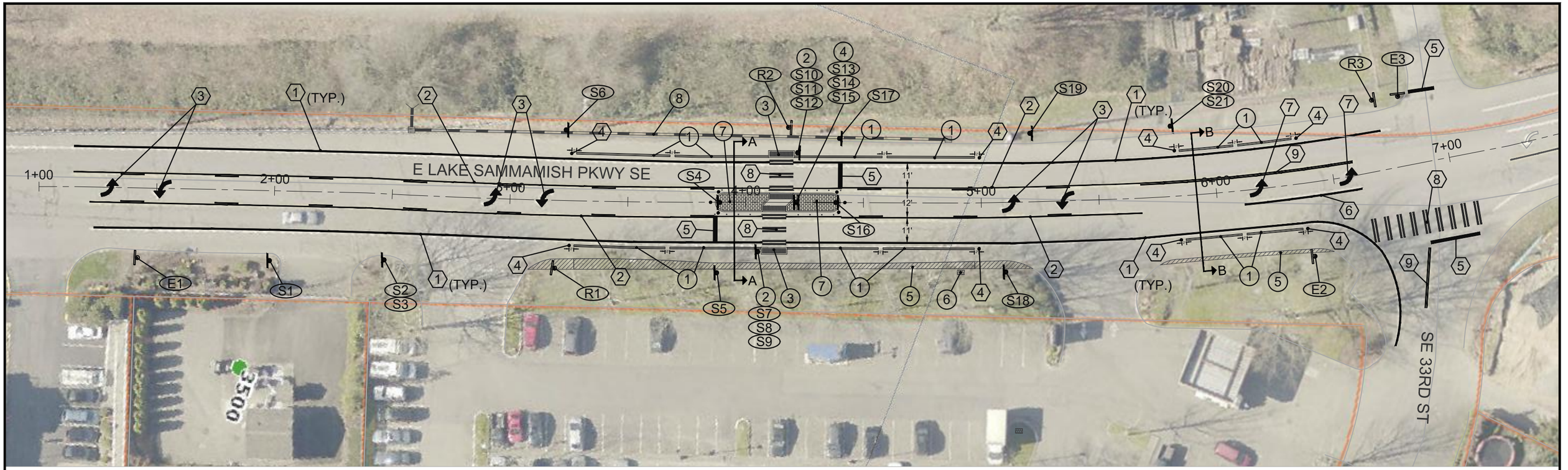
PUBLIC WORKS DIRECTOR

ISABEL DIAZ
STATE OF WASHINGTON
52067
REGISTERED
PROFESSIONAL ENGINEER
5/9/18

City of Sammamish Washington

PUBLIC WORKS DEPARTMENT
801 228TH AVENUE SE
SAMMAMISH, WA 98075

811 Know what's below. Call before you dig.



GENERAL NOTES

1. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES UNLESS AGREED TO BY THE PROPERTY OWNER.
2. STORM DRAIN INLET PROTECTION SHALL BE INSTALLED ON ALL EXISTING CATCH BASINS WITHIN 300-FEET OF THE PROJECT LIMITS BEFORE COMMENCING ANY WORK PER THESE PLANS.
3. LOCATION FOR ALL IMPROVEMENTS SHALL BE MARKED AND APPROVED BY ENGINEER PRIOR TO INSTALLATION.
4. THE CONTRACTOR SHALL INSTALL ONE (1) BLUE TYPE 2 RPM AT THE ROADWAY CENTERLINE PERPENDICULAR TO THE LOCATION OF ALL FIRE HYDRANT LOCATIONS.
5. ALL EXISTING RAISED PAVEMENT MARKERS, PAINTED LINES, AND PAVING MARKING SYMBOLS IN CONFLICT WITH THE PROPOSED CHANNELIZATION AND PAVING AREAS SHALL BE REMOVED.

ISABEL DIAZ
STATE OF WASHINGTON
52067
REGISTERED
PROFESSIONAL ENGINEER
5/9/18

CHANNELIZATION NOTES

(1) STRIPE 8" WHITE WIDE PAINTED LINE PER CITY OF SAMMAMISH STD PLAN FIG04-03A.

(2) STRIPE PAINTED TWO-WAY LEFT TURN LANE WITH TYPE 2YY RPM PER CITY OF SAMMAMISH STD PLAN FIG04-03A AND STD PLAN FIG04-03B.

(3) INSTALL THERMOPLASTIC TWO-WAY LEFT TURN LANE ARROW PER CITY OF SAMMAMISH STD PLAN FIG04-05.

(4) INSTALL 18" SURFACE MOUNTED WHITE REFLECTIVE DELINEATOR POST

(5) INSTALL 16" THERMOPLASTIC STOP LINE PER CITY OF SAMMAMISH STD PLAN FIG04-04 AND FIG04-05.

(6) INSTALL 8" WHITE THERMOPLASTIC WIDE LINE AND TYPE 2W RPM PER CITY OF SAMMAMISH STD PLAN FIG04-01 AND STD PLAN FIG 04-03B.

(7) INSTALL THERMOPLASTIC TYPE 2L LEFT TURN ARROW PER CITY OF SAMMAMISH STD PLAN FIG04-05.

(8) INSTALL THERMOPLASTIC CROSSWALK LINE PER CITY OF SAMMAMISH STD PLAN FIG04-04 AND FIG04-05.

(9) STRIPE 4" DOUBLE YELLOW PAINTED CENTERLINE WITH TYPE 2YY RPM PER CITY OF SAMMAMISH STD PLAN FIGG04-03A AND STD PLAN FIG04-03B.

SIGNING NOTES

(E#) PROTECT EXISTING SIGN TO REMAIN.

(S#) INSTALL NEW SIGN(S) PER CITY OF SAMMAMISH STD PLAN FIG04-06 AND SIGN SCHEDULE ON SHEET 4.

(R#) REMOVE EXISTING SIGN, POST, AND FOUNDATION. BACKFILL HOLE.

CONSTRUCTION NOTES

(1) INSTALL TYPE 6 CEMENT CONCRETE EXTRUDED CURB PER DETAIL SECTIONS SHOWN ON SHEETS 3 AND 4 AND PER CITY OF SAMMAMISH STD PLAN FIG03-08b. FINAL LOCATION TO BE DETERMINED AND MARKED BY ENGINEER.

(2) INSTALL CARMANAH PUSH BUTTON ACTUATED SOLAR POWERED RECTANGULAR RAPID-FLASHING BEACON (UNI-DIRECTIONAL CONFIGURATION) ON FIXED BASE AND CONCRETE FOUNDATION PER WSDOT RRFB DETAIL IS-22 AND WSDOT STD PLAN J-21.10. FINAL LOCATION TO BE DETERMINED AND MARKED BY ENGINEER.

(3) INSTALL 10' X 2' DETECTABLE WARNING SURFACE PER WSDOT STANDARD PLAN F-45.10-02, ON 11' X 3' CONCRETE PEDESTRIAN LANDING. PLACE 4" CONCRETE OVER 2" CRUSHED STONE TOP COURSE.

(4) INSTALL CARMANAH PUSH BUTTON ACTUATED SOLAR POWERED RECTANGULAR RAPID-FLASHING BEACON (BI-DIRECTIONAL CONFIGURATION) ON FIXED BASE AND CONCRETE FOUNDATION PER WSDOT RRFB DETAIL IS-22 AND WSDOT STD PLAN J-21.10. FINAL LOCATION TO BE DETERMINED AND MARKED BY ENGINEER.

(5) INSTALL 2" CL $\frac{1}{2}$" HMA SHOULDER WIDENING PER DETAIL SECTIONS ON SHEET 3 TO PROVIDE 6' MIN. PAVED SHOULDER (AREA TO BE MARKED BY ENGINEER). ROADSIDE RESTORATION TO BE MAX 2H:1V SLOPE AND GRASS SEEDED.

(6) RELOCATE EXISTING MAILBOX AND COLLECTION BOX UNIT (CBU) TO BE INSIDE PARKING LOT. NEW LOCATION TO BE DETERMINED BY ENGINEER.

(7) INSTALL MEDIAN ISLAND PER DETAIL SECTIONS SHOWN ON SHEET 4.

(8) INSTALL DRAINAGE SYSTEM PER DRAINAGE PLAN AND DETAILS.

0' 5' 10' 20' 40'
(FEET)
SCALE: 1"=40'

811 Know what's below. Call before you dig.

NO.	REVISIONS	DATE
1		
2		
3		
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5		

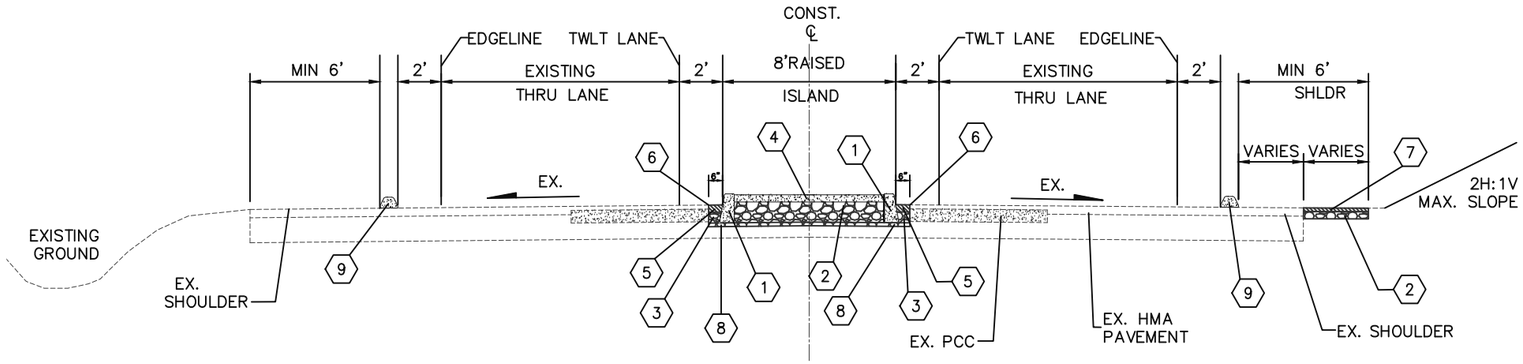
DATE:	05/2018
DESIGNED BY:	I. DIAZ
DRAWN BY:	I. DIAZ
REVIEWED BY:	S. CHEN
ISABEL DIAZ	
PROJECT MANAGER / ENGINEER	

City of Sammamish Washington

EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
ROADWAY PLAN

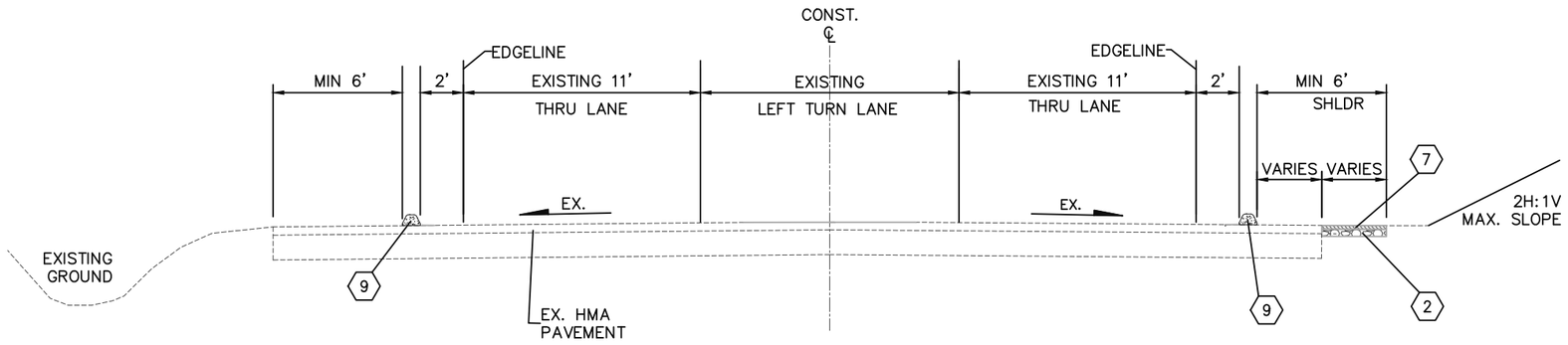
PROJECT NUMBER

SHEET	OF
2	14



ROADWAY SECTION A-A

NOT TO SCALE



ROADWAY SECTION B-B

NOT TO SCALE

ROADWAY SECTION NOTES

1. INSTALL MODIFIED CEMENT CONCRETE TRAFFIC CURB PER DETAIL ON SHEET 4
2. 12" CRUSHED SURFACING TOP COURSE
3. 6" CRUSHED SURFACING TOP COURSE
4. 4" DECORATIVE CEMENT CONCRETE, STAMPED 6" X 6" COBBLE PATTERN
5. 4" HMA PAVEMENT COURSE
6. SAWCUT EXISTING PAVEMENT EDGE
7. 2" HMA CL $\frac{1}{2}$" PAVEMENT SHOULDER WIDENING
8. 2" CRUSHED SURFACING TOP COURSE
9. INSTALL TYPE 6 CEMENT CONCRETE EXTRUDED CURB PER DETAIL ON SHEET 4 AND CITY OF SAMMAMISH STD FIG03-08b

ISABEL DIAZ
STATE OF WASHINGTON
22067
REGISTERED
PROFESSIONAL ENGINEER
5/9/18

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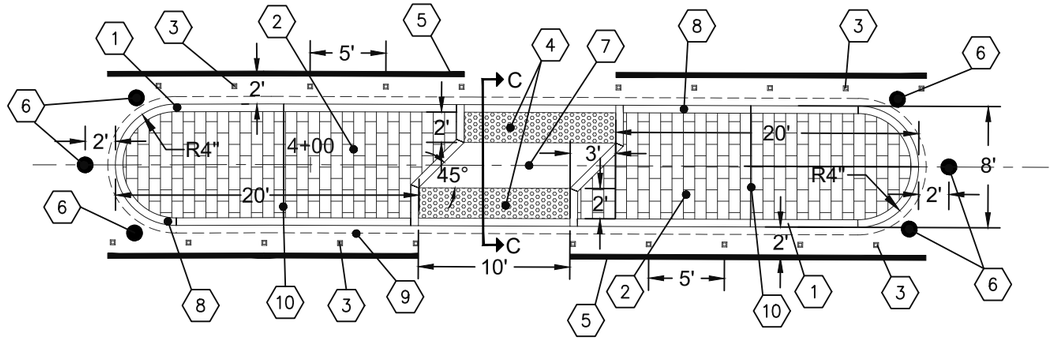
	ISABEL DIAZ
	PROJECT MANAGER / ENGINEER

City of Sammamish Washington

EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
TYPICAL SECTIONS

PROJECT NUMBER	
SHEET	OF
3	14

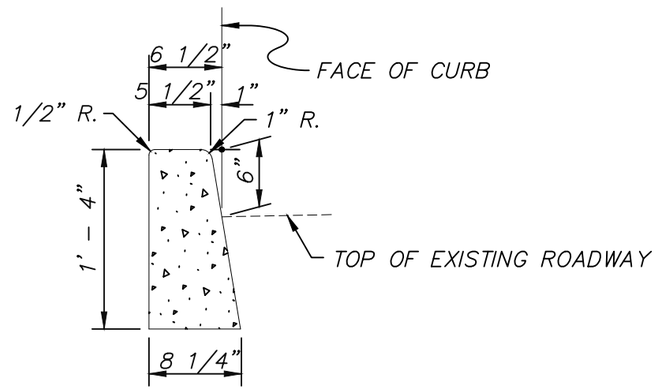


RAISED PEDESTRIAN REFUGE ISLAND DETAIL

SCALE = 1:10

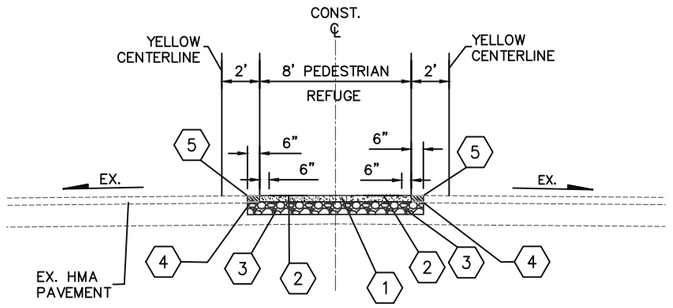
RAISED PEDESTRIAN REFUGE ISLAND NOTES

1. INSTALL MODIFIED CEMENT CONCRETE TRAFFIC CURB PER DETAILS SHOWN ON THIS SHEET. FINAL LOCATION TO BE DETERMINED AND MARKED BY ENGINEER.
2. INSTALL 4" TEXTURED CEMENT CONCRETE, STAMPED WITH 4"X8" BRICK-LIKE PATTERN, OVER 14" CRUSHED SURFACING TOP COURSE PER DETAILS SHOWN ON SHEET 3.
3. INSTALL YELLOW TYPE 2 RPM PER SAMMAMISH STD PLAN FIG04-03B @ 5 FT SPACING.
4. INSTALL 10' X 2' DETECTABLE WARNING SURFACE PER WSDOT STANDARD PLAN F-45.10-02.
5. INSTALL 4" YELLOW WIDE PAINTED LINE.
6. INSTALL 18" SURFACE MOUNTED YELLOW REFLECTIVE DELINEATOR POST.
7. 4" CEMENT CONCRETE OVER 2" CRUSHED SUFACING TOP COURSE.
8. INSTALL YELLOW CURB MARKING.
9. SAWCUT LINE, TYP.
10. EXPANSION JOINT, TYP.



MODIFIED CEMENT CONCRETE TRAFFIC CURB TYPICAL SECTION

NOT TO SCALE



PEDESTRIAN REFUGE AREA SECTION C-C

NOT TO SCALE

PEDESTRIAN REFUGE AREA SECTION NOTES

1. 4" CAST-IN-PLACE CEMENT CONCRETE
2. DETECTABLE WARNING SURFACE
3. 8" CRUSHED SURFACE TOP COURSE
4. 4" HMA PAVEMENT COURSE
5. SAWCUT EXISTING PAVEMENT EDGE

ISABEL DIAZ
STATE OF WASHINGTON
52067
REGISTERED
PROFESSIONAL ENGINEER
5/9/18

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DATE: 05/2018
DESIGNED BY: I. DIAZ
DRAWN BY: I. DIAZ
REVIEWED BY: S. CHEN
ISABEL DIAZ
PROJECT MANAGER / ENGINEER

City of Sammamish Washington

EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
REFUGE ISLAND AND TRAFFIC CURB DETAILS

PROJECT NUMBER

SHEET	OF
4	14

SIGN INSTALLATION AND REMOVAL SCHEDULE

SIGN NUMBER	SIGN DESIGNATION	SIGN DESCRIPTION	WIDTH	HEIGHT	REMARKS
E1	W2-2	SIDE ROAD	EX.	EX.	PROTECT EXISTING SIGN
R1	R3-9b	TWO-WAY LEFT TURN ONLY	EX.	EX.	REMOVE EXISTING SIGN
S1	R7-1	NO PARKING ANY TIME	12"	18"	
S2	W11-2	PEDESTRIAN	36"	36"	ADD RED FLAG TO SIGN POST
S3	W16-9P	AHEAD (PLAQUE)	24"	12"	
S4	OM3-L	TYPE 3 LEFT OBJECT MARKER	12"	36"	MOUNT ON ISLAND, NEAR END
S5	R1-5b	STOP HERE FOR PEDS	36"	36"	ADD RED FLAG TO SIGN POST
S6	R7-1	NO PARKING ANY TIME	12"	18"	
S7	W11-2	PEDESTRIAN	36"	36"	MOUNT ON POST PER DETAIL SHOWN ON SHEET 9
S8	W16-7P	DOWNWARD DIAGONAL ARROW (PLAQUE)	24"	12"	MOUNT ON POST PER DETAIL SHOWN ON SHEET 9
S9	W11-501	CROSS TRAFFIC MAY NOT STOP USE CAUTION WHEN CROSSING	12"	12"	MOUNT ON POST PER DETAIL SHOWN ON SHEET 9
	R10-25	PUSH BUTTON TO TURN ON WARNING LIGHTS	9"	12"	MOUNT ON POST PER DETAIL SHOWN ON SHEET 9
R2	W11-3	DEER	EX.	EX.	REMOVE EXISTING SIGN
S10	W11-2	PEDESTRIAN	36"	36"	MOUNT ON POST PER DETAIL SHOWN ON SHEET 9
S11	W16-7P	DOWNWARD DIAGONAL ARROW (PLAQUE)	24"	12"	MOUNT ON POST PER DETAIL SHOWN ON SHEET 9
S12	R10-25	PUSH BUTTON TO TURN ON WARNING LIGHTS	9"	12"	MOUNT ON POST PER DETAIL SHOWN ON SHEET 9
S13	W11-2	PEDESTRIAN (2)	36"	36"	MOUNT BACK-TO-BACK ON POST PER DETAIL SHOWN ON SHEET 9
S14	W16-7P	DOWNWARD DIAGONAL ARROW (PLAQUE) (2)	24"	12"	MOUNT BACK-TO-BACK ON POST PER DETAIL SHOWN ON SHEET 9
S15	W11-501	CROSS TRAFFIC MAY NOT STOP USE CAUTION WHEN CROSSING	12"	12"	MOUNT ON POST PER DETAIL SHOWN ON SHEET 9
	R10-25	PUSH BUTTON TO TURN ON WARNING LIGHTS	9"	12"	MOUNT ON POST PER DETAIL SHOWN ON SHEET 9
S16	OM3-L	TYPE 3 LEFT OBJECT MARKER	12"	36"	MOUNT ON ISLAND, NEAR END
S17	R1-5b	STOP HERE FOR PEDS	36"	36"	ADD RED FLAG TO SIGN POST
S18	R7-1	NO PARKING ANY TIME	12"	18"	
S19	R7-1	NO PARKING ANY TIME	12"	18"	
S20	W11-2	PEDESTRIAN	36"	36"	ADD RED FLAG TO SIGN POST
S21	W16-9P	AHEAD (PLAQUE)	24"	12"	
E2	R7-1	NO PARKING ANY TIME	EX.	EX.	PROTECT AND RELOCATE EXISTING SIGN
R3	R3-9b	TWO-WAY LEFT TURN ONLY	EX.	EX.	REMOVE EXISTING SIGN
E3	R1-1	STOP	EX.	EX.	PROTECT EXISTING SIGN

ISABEL DIAZ
STATE OF WASHINGTON
52067
REGISTERED
PROFESSIONAL ENGINEER
5/9/18

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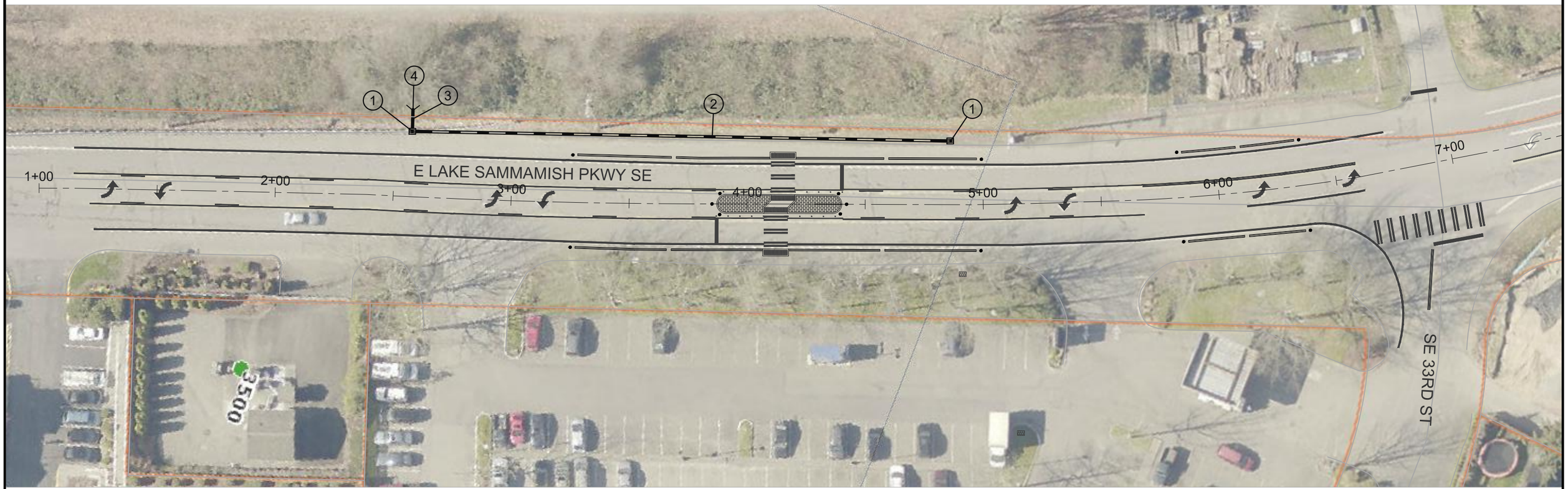
PROJECT MANAGER / ENGINEER

City of Sammamish Washington

EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
SIGN SCHEDULE

PROJECT NUMBER
SHEET 5 OF 14



DRAINAGE NOTES

1. INSTALL NEW TYPE 1 CATCH BASIN PER CITY OF SAMMAMISH STD FIG07-04 USING A STANDARD GRATE PER CITY OF SAMMAMISH STD FIG07-17. TOP OF CATCH BASIN SHALL BE $\frac{1}{4}$" BELOW EXISTING PAVEMENT EDGE. FINAL LOCATION TO BE DETERMINED AND MARKED BY ENGINEER.

2. INSTALL 250 LF MAX OF NEW 12" STORM DRAIN @ 0.5% MIN SLOPE. REFER TO TRENCH RESTORATION DETAIL SHOWN ON THIS SHEET. FINAL LOCATION TO BE DETERMINED AND MARKED BY ENGINEER.

3. INSTALL 10 LF MAX OF NEW 12" STORM DRAIN @ 0.5% MIN SLOPE.

4. STORM DRAIN OUTFALL PER DETAIL ON THIS SHEET. INSTALL QUARRY SPALLS PER WSDOT STANDARD SPECIFICATION 9-13.1(5).

ISABEL DIAZ
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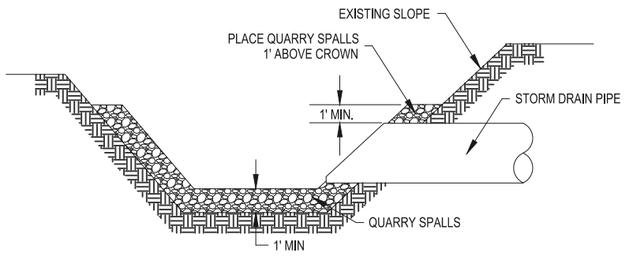
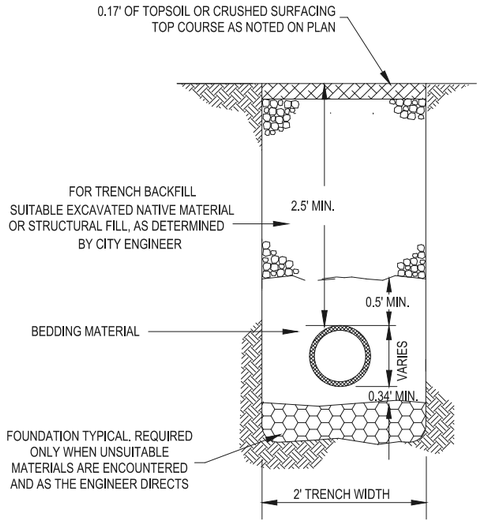


PIPE OUTFALL DETAIL

NOT TO SCALE



NOTES:

1. DIMENSIONS SHOWN ARE MINIMUM; GREATER THICKNESS MAY BE REQUIRED BY CITY ENGINEER.
2. ALL MATERIALS EXCEPT A.C.P. AND BEDDING MATERIAL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO 95% DENSITY.
3. BEDDING SHALL CONFORM TO SECTION 9-03.16 OF STANDARD SPECIFICATIONS.
4. COMPACTION: BEDDING SHALL BE COMPACTED TO 95% MAX. AS DETERMINED BY ASTM D1557. BACKFILL SHALL BE COMPACTED TO 85% IN UNPAVED AREA, AND 95% IN PAVED OR SHOULDER AREAS AS DETERMINED BY ASTM D1557.
5. ALL MATERIALS, WORKMANSHIP, AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE LATEST VERSION OF WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.
6. KEEP TRENCH BOTTOM COMPACTED WITH UNIFORM GRADE. A BELL JOINT SHALL BE REQUIRED AT EACH JOINT FOR PROPER SUPPORT. NO TEMPORARY SUPPORTS, I.E. BLOCKS, WILL BE ALLOWED TO SUPPORT PIPE. TRENCH BOTTOM SHALL BE TO GRADE PRIOR TO PIPE INSTALLATION.

TRENCH RESTORATION DETAIL

NOT TO SCALE

0' 5' 10' 20' 40'
(FEET)
SCALE: 1"=40'

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1		
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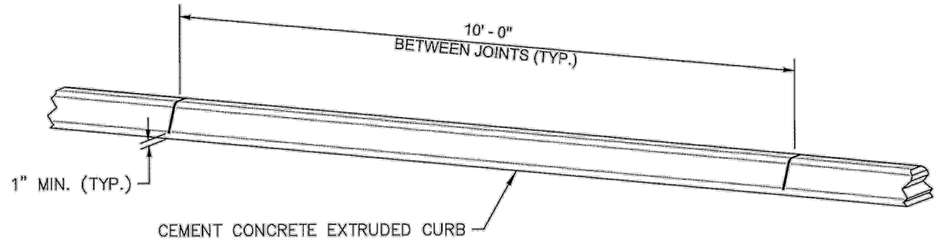
DRAWN BY: I. DIAZ
REVIEWED BY: S. CHEN
ISABEL DIAZ
PROJECT MANAGER / ENGINEER

City of Sammamish Washington

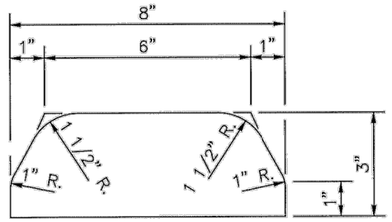
EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
DRAINAGE PLAN

PROJECT NUMBER

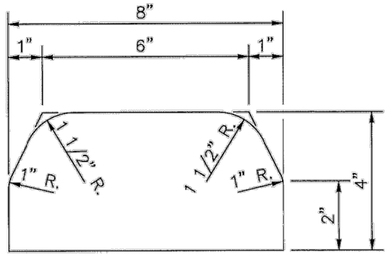
SHEET	OF
6	14



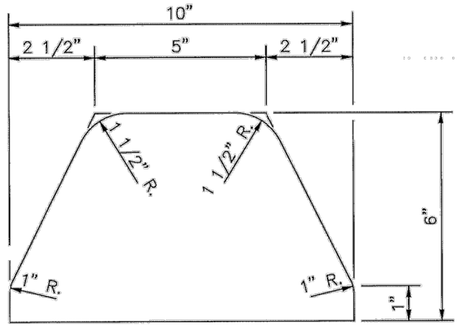
NOTES:
1. INSTALL PAVEMENT 2" BEYOND BACK OF CURB.
2. BOND EXTRUDED CURB TO EXISTING PAVEMENT WITH MORTAR PASTE.
3. JOINTS MAY BE FORMED DURING INSTALLATION USING A RIGID DIVIDER OR SAWCUT AFTER CONCRETE CURES TO MINIMUM STRENGTH.



TYPE 4
(CEMENT CONCRETE)



TYPE 5
(CEMENT CONCRETE)



TYPE 6
(CEMENT CONCRETE)

ANDREW W. ZAGARS
STATE OF WASHINGTON
36109
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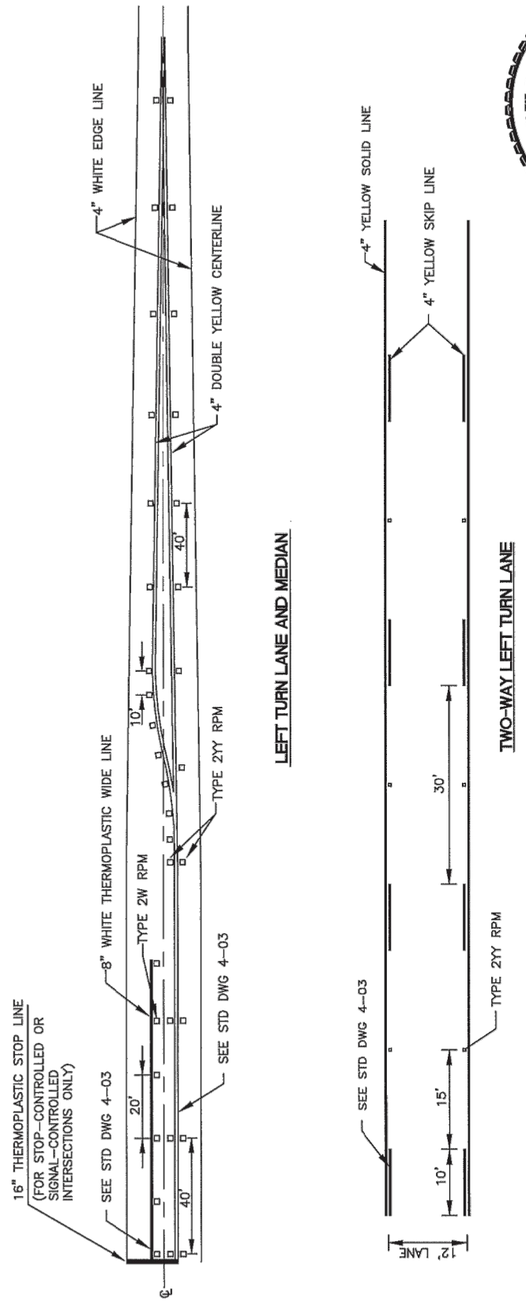
PROFESSIONAL ENGINEER
12-21-17

CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS			
EXTRUDED CURB DETAIL			
APPROVED BY CITY ENGINEER _____ DATE _____			
DWN XXX	CKD XXX	DATE AUG-XX-2015	FILE FIG03-08b
REV			REV. NO. X



ANDREW W. ZAGARS
STATE OF WASHINGTON
36109
REGISTERED
PROFESSIONAL ENGINEER
12-21-17

CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS			
CHANNELIZATION – LEFT TURN LANES			
APPROVED BY CITY ENGINEER _____ DATE _____			
DWN XXX	CKD XXX	DATE AUG-XX-2015	FILE FIG04-01
REV			REV. NO. X

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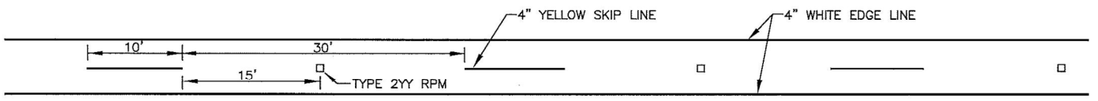
DATE: 05/2018
DESIGNED BY: I. DIAZ
DRAWN BY: I. DIAZ
REVIEWED BY: S. CHEN
ISABEL DIAZ
PROJECT MANAGER / ENGINEER

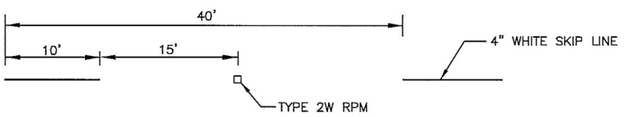
City of Sammamish Washington

EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
STANDARD PLANS AND DETAILS

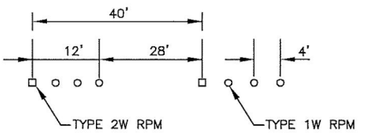
PROJECT NUMBER



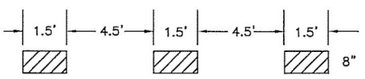
SINGLE LANE TWO-WAY TRAFFIC



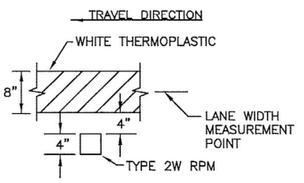
LANE SEPARATION



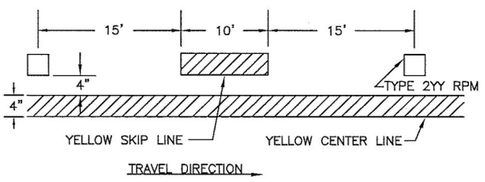
TRAVEL DIRECTION
ALTERNATE LANE MARKINGS



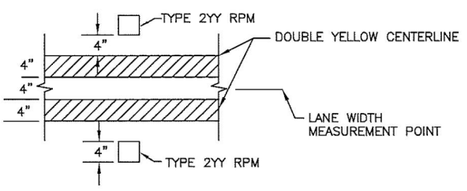
LANE EXTENSION LINE



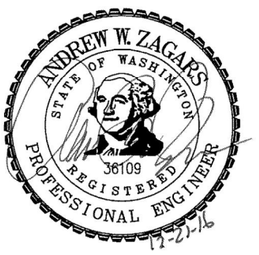
WIDE LINE



TWO-WAY LEFT TURN LANE



CENTERLINE



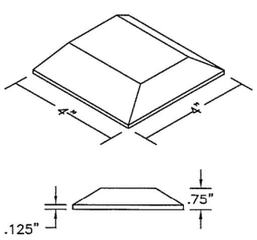
CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

PAVEMENT MARKINGS

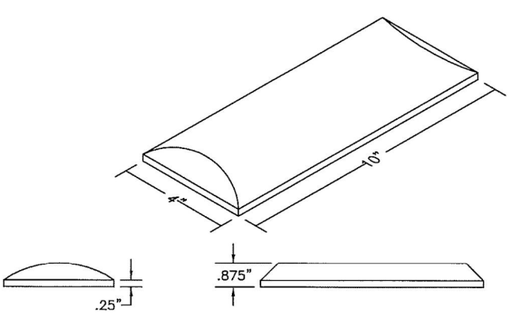
APPROVED BY
CITY ENGINEER _____ DATE _____

REV	DWN	CKD	DATE	FILE
	XXX	XXX	AUG-XX-2015	FIG04-03A

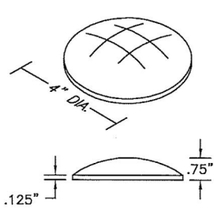
REV. NO. X



TYPE 2 RPM

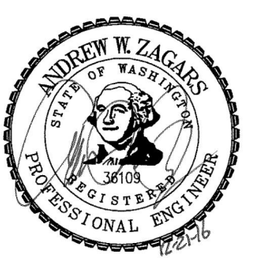


TYPE 3 RPM



TYPE 1 RPM

RAISED PAVEMENT MARKER COLORS	
TYPE 1W	NONREFLECTORIZED WHITE
TYPE 1Y	NONREFLECTORIZED YELLOW
TYPE 2W	REFLECTORIZED WHITE – ONE SIDE ONLY
TYPE 2Y	REFLECTORIZED YELLOW – ONE SIDE ONLY
TYPE 2YY	REFLECTORIZED YELLOW – BOTH SIDES



CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

RAISED PAVEMENT MARKERS

APPROVED BY
CITY ENGINEER _____ DATE _____

REV	DWN	CKD	DATE	FILE
	XXX	XXX	AUG-XX-2015	FIG04-03B

REV. NO. X

NO.	REVISIONS	DATE
1		
2		
3		
4		
5		

DATE: 05/2018
DESIGNED BY: I. DIAZ
DRAWN BY: I. DIAZ
REVIEWED BY: S. CHEN
ISABEL DIAZ
PROJECT MANAGER / ENGINEER

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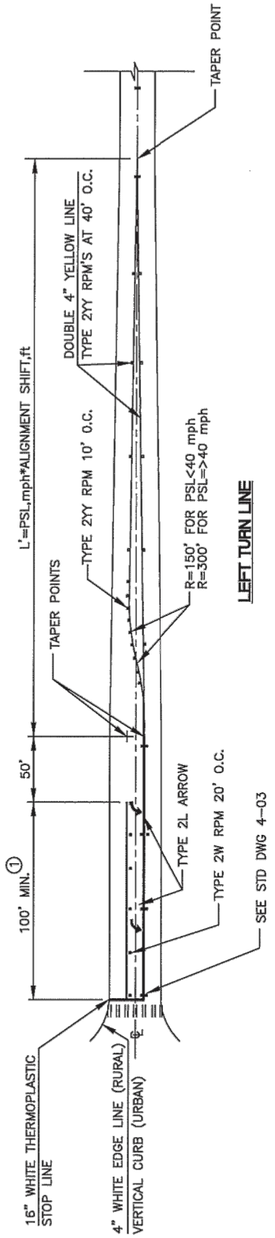
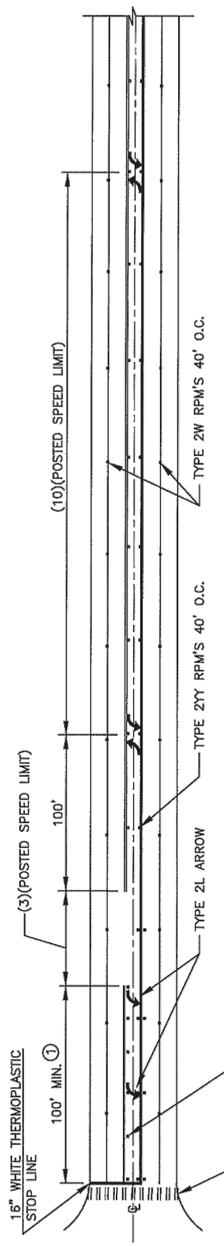
City of Sammamish Washington

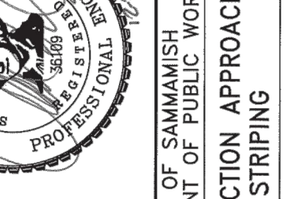
EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
STANDARD PLANS AND DETAILS

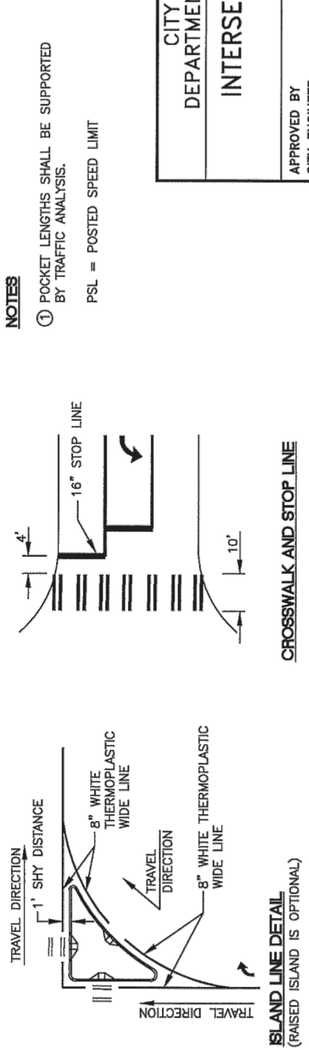
PROJECT NUMBER

SHEET 8 OF 14









NOTES

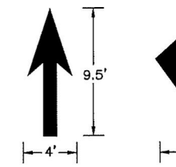
① POCKET LENGTHS SHALL BE SUPPORTED BY TRAFFIC ANALYSIS.

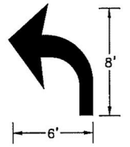
PSL = POSTED SPEED LIMIT

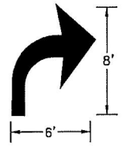
CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS			
INTERSECTION APPROACH STRIPING			
APPROVED BY CITY ENGINEER _____ DATE _____			
DWN XXX	CKD XXX	DATE AUG-XX-2015	FILE FIG04-04

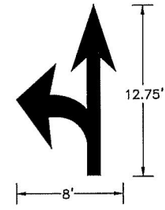
REV

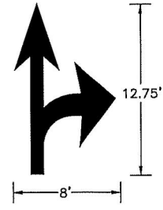
REV. NO. X

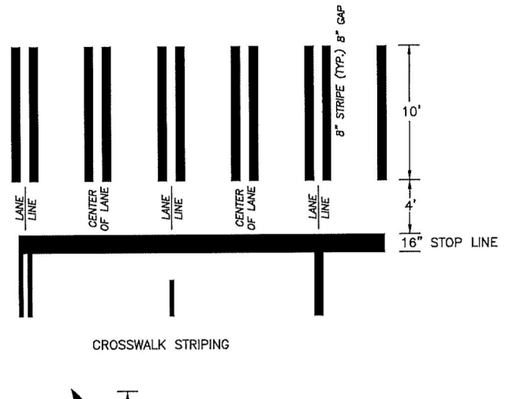


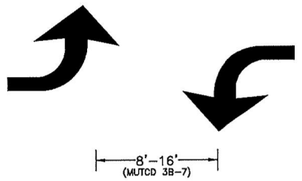


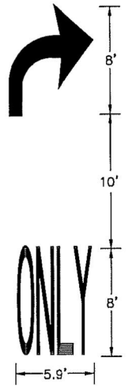


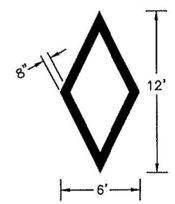


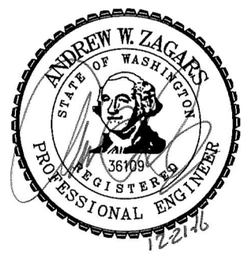












NOTES

1. ALL PAVEMENT SYMBOLS SHALL BE THERMOPLASTIC.

CITY OF SAMMAMISH DEPARTMENT OF PUBLIC WORKS			
PAVEMENT SYMBOLS			
APPROVED BY CITY ENGINEER _____ DATE _____			
DWN XXX	CKD XXX	DATE AUG-XX-2015	FILE FIG04-05

REV

REV. NO. X

811 Know what's below. Call before you dig.

NO.	REVISIONS	DATE
1		
2		
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5		

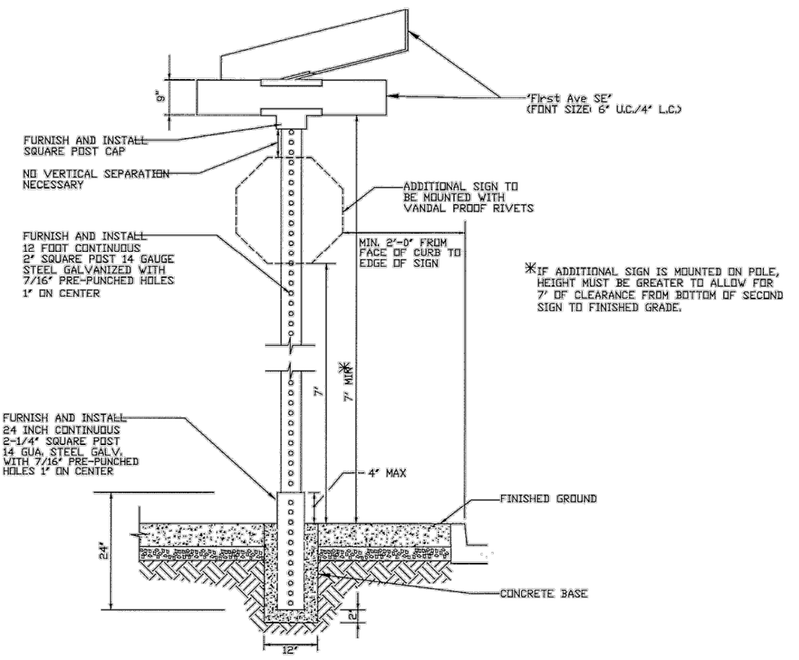
DATE: 05/2018
DESIGNED BY: I. DIAZ
DRAWN BY: I. DIAZ
REVIEWED BY: S. CHEN
ISABEL DIAZ
PROJECT MANAGER / ENGINEER

City of Sammamish Washington

EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
STANDARD PLANS AND DETAILS

PROJECT NUMBER

SHEET 9 OF 14



STREET SIGN INSTALLATION DETAIL

NOT TO SCALE

NOTES:

1. ALL EXISTING SIGNS THAT ARE TO BE RELOCATED SHALL BE INSTALLED ON NEW POSTS AND HARDWARE.
2. 2" TELESPARE GALVANIZED POSTS
3. 2 1/4" TELESPARE GALVANIZED ANCHORS, 24" LONG
4. SET ANCHORS 20" DEEP, WRAP ANCHORS AND SET IN CONCRETE. BOLTS TO BE 2" ABOVE FINISHED GRADE
5. SIGNS TO BE V.I.P. (DIAMOND GRADE)
6. SIGNS TO BE ATTACHED WITH VANDAL PROOF RIVETS
7. D-3'S TO BE E.G. BACKGROUND DIAMOND GRADE LETTERING
8. D-3'S TO BE MOUNTED WITH ALUMINUM CAPS AND CROSS BRACKETS
9. WHITE LEGEND ON GREEN BACKGROUND

ANDREW W. ZAGARS STATE OF WASHINGTON 36109 REGISTERED PROFESSIONAL ENGINEER 12-22-17

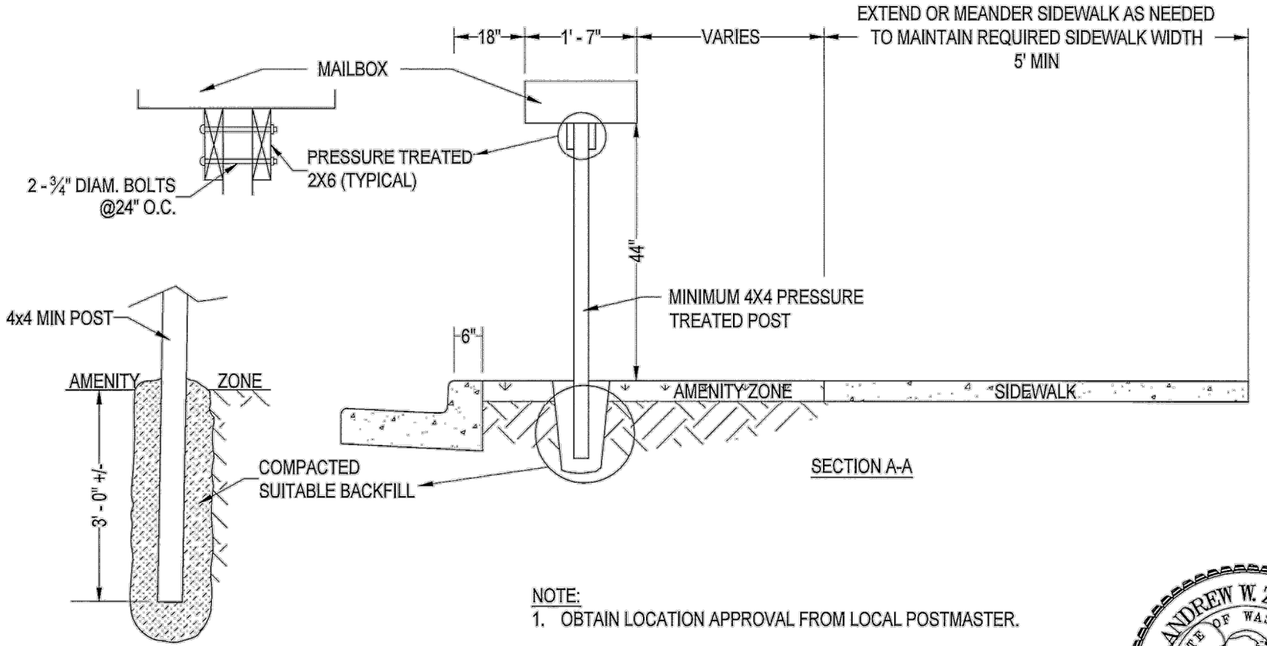
CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

STREET SIGN INSTALLATION

APPROVED BY
CITY ENGINEER _____ DATE _____

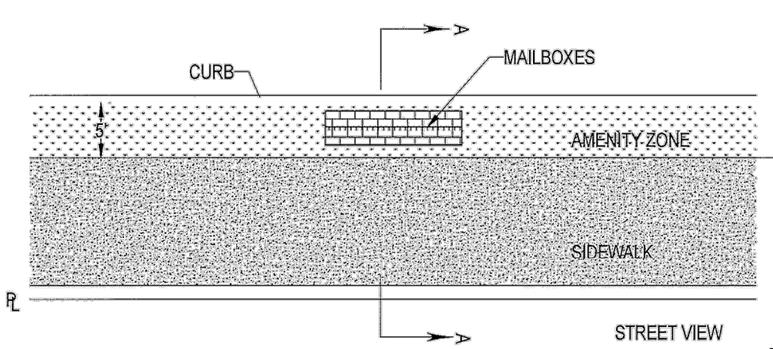
REV	DWN	CKD	DATE	FILE
	XXX	XXX	AUG-XX-2015	FIG04-06

REV. NO. X



NOTE:

1. OBTAIN LOCATION APPROVAL FROM LOCAL POSTMASTER.



ANDREW W. ZAGARS STATE OF WASHINGTON 36109 REGISTERED PROFESSIONAL ENGINEER 12-22-17

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

MAILBOX STAND
NON-ARTERIAL

APPROVED BY
CITY ENGINEER _____ DATE _____

REV	DWN	CKD	DATE	FILE
	XXX	XXX	AUG-XX-2015	FIG05-04

REV. NO. X

NO.	REVISIONS	DATE
1		
2		
3		
4		
5		

DESIGNED BY: I. DIAZ 05/2018
DRAWN BY: I. DIAZ
REVIEWED BY: S. CHEN
ISABEL DIAZ
PROJECT MANAGER/ ENGINEER

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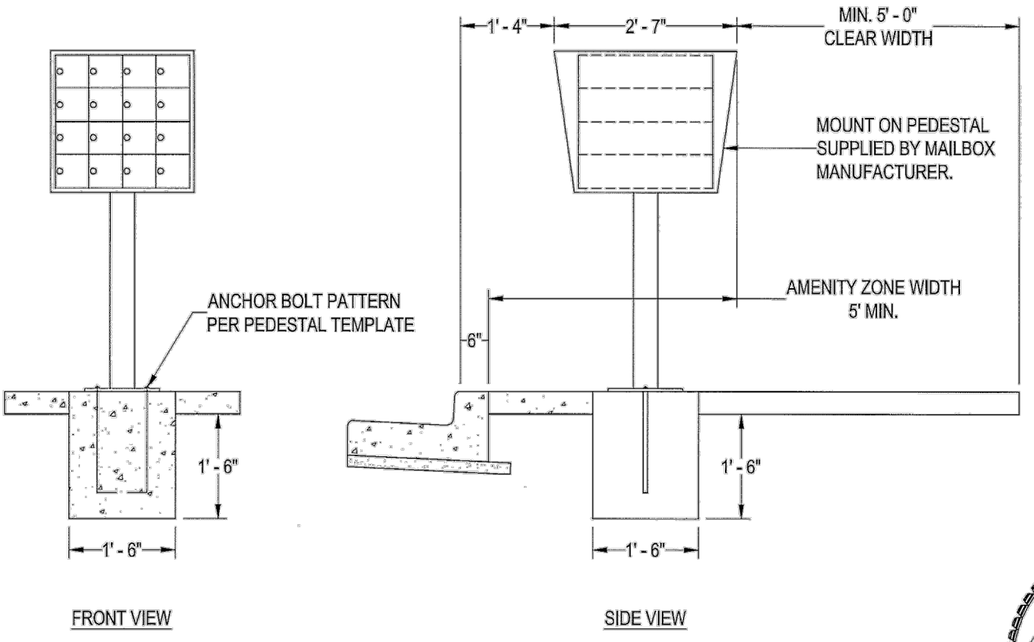
City of Sammamish Washington

EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
STANDARD PLANS AND DETAILS

PROJECT NUMBER

SHEET 10 OF 14



FRONT VIEW

SIDE VIEW

NOTES:
1. OBTAIN LOCATION APPROVAL FROM LOCAL POSTMASTER.
2. USE PEDESTAL MOUNTED 4C MAILBOX.

ANDREW W. ZAGARS
STATE OF WASHINGTON
36109
REGISTERED
PROFESSIONAL ENGINEER
12-22-16

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

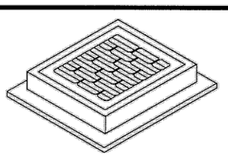
NEIGHBORHOOD DELIVERY &
COLLECTION BOX UNIT INSTALLATION

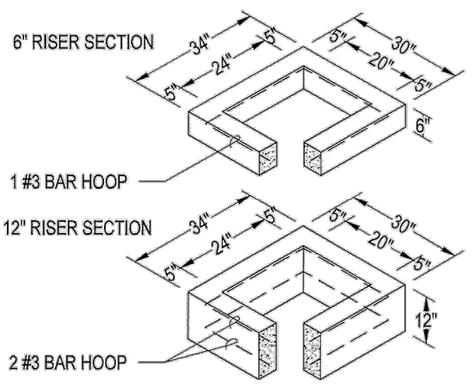
APPROVED BY
CITY ENGINEER _____ DATE _____

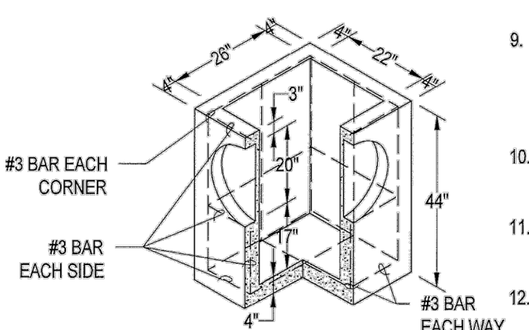
REV	DWN	CKD	DATE	FILE
	XXX	XXX	AUG-XX-2015	FIG05-06

REV. NO. X

FRAME AND GRATE
SEE STD DWGS 7-16
& 7-18 FOR DETAILS







PRECAST BASE SECTION
(MEASUREMENT AT THE
TOP OF THE BASE)

NOTES:
1. CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C478 (AASHTO M 199) & C890 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE WSDOT/APWA STANDARD SPECIFICATIONS.
2. AS AN ACCEPTABLE ALTERNATIVE TO REBAR, WELDED WIRE FABRIC HAVING A MIN. AREA OF 0.12 SQUARE INCHES PER FOOT MAY BE USED. WELDED WIRE FABRIC SHALL COMPLY TO ASTM A497 (AASHTO M 221). WIRE FABRIC COMPLY TO ASTM A497 (AASHTO M 221). WIRE FABRIC SHALL NOT BE PLACED IN KNOCKOUTS.
3. ALL REINFORCED CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000.
4. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. ALL PIPE SHALL BE INSTALLED IN FACTORY PROVIDED KNOCKOUTS. UNUSED KNOCKOUTS NEED NOT BE GROUTED IF WALL IS LEFT INTACT.
5. KNOCKOUT OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAM. PLUS CATCH BASIN WALL THICKNESS.
6. ROUND KNOCKOUTS MAY BE ON ALL 4 SIDES, WITH MAX. DIAM. OF 20". KNOCKOUTS MAY BE EITHER ROUND OR "D" SHAPE.
7. THE MAX. DEPTH FROM THE FINISHED GRADE TO THE PIPE INVERT IS 5'-0".
8. THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION AND RISER SECTION SHALL NOT EXCEED 1/2"/FT.
9. CATCH BASIN FRAME AND GRATE SHALL BE IN ACCORDANCE WITH WSDOT /APWA STANDARD SPECIFICATIONS AND MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION A-A-60005. MATING SURFACES SHALL BE FINISHED TO ASSURE NON-ROCKING FIT WITH ANY COVER POSITION.
10. FRAME AND GRATE MAY BE INSTALLED WITH FLANGE DOWN OR CAST INTO RISER.
11. FOR CATCH BASINS IN PARKING LOTS REFER TO WSDOT STANDARD PLAN B-5.60-01.
12. EDGE OF RISER OR BRICK SHALL NOT BE MORE THAN 2" FROM VERTICAL EDGE OF CATCH BASIN WALL.

ANDREW W. ZAGARS
STATE OF WASHINGTON
36109
REGISTERED
PROFESSIONAL ENGINEER
12-22-16

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

CATCH BASIN TYPE 1

APPROVED BY
CITY ENGINEER _____ DATE _____

REV	DWN	CKD	DATE	FILE
	XXX	XXX	AUG-XX-2015	FIG07-04

REV. NO. X

NO.	REVISIONS	DATE
1		
2		
3		
4		
5		

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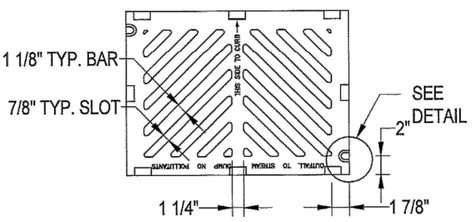
DATE: 05/2018
DESIGNED BY: I. DIAZ
DRAWN BY: I. DIAZ
REVIEWED BY: S. CHEN
ISABEL DIAZ
PROJECT MANAGER / ENGINEER

City of Sammamish Washington

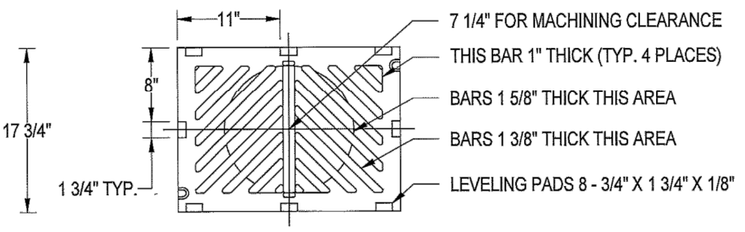
EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
STANDARD PLANS AND DETAILS

PROJECT NUMBER

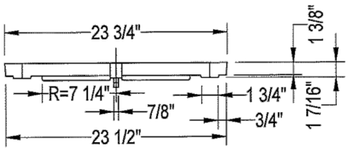
SHEET 11 OF 14



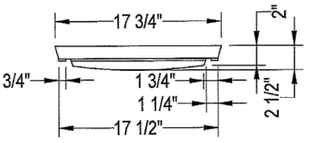
TOP VIEW



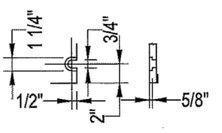
BOTTOM VIEW



SIDE VIEW



END VIEW



SLOT DETAIL

SEE NOTE ①

NOTES:

① SLOT FORMED AND RECESSED FOR 5/8"-11 NC X 2" SOCKET HEAD (ALLEN HEAD) CAP SCREW.

2. ALL CASTINGS SHALL HAVE A BITUMINOUS COATING.

3. GRATE SHALL BE CAST IRON PER ASTM A48 CLASS 30 UNLESS OTHERWISE SPECIFIED.

ANDREW W. ZAGARS
STATE OF WASHINGTON
36109
REGISTERED
PROFESSIONAL ENGINEER
12-21-16

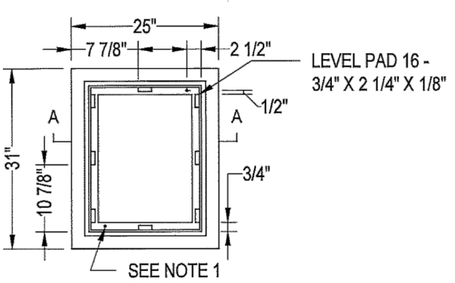
CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

STANDARD GRATE

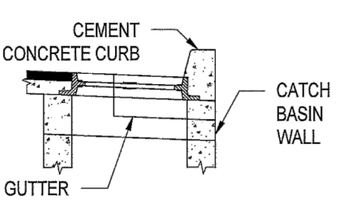
APPROVED BY
CITY ENGINEER _____ DATE _____

REV	DWN	CKD	DATE	FILE
	XXX	XXX	AUG-XX-2015	FIG07-17

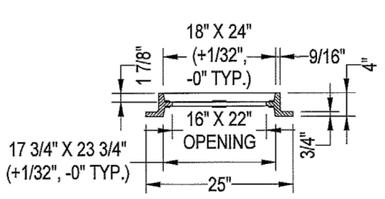
REV. NO. X



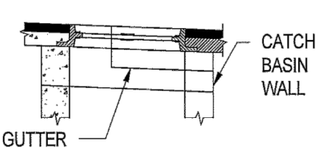
PLAN



CURB



SECTION A-A



NO CURB

NOTES:

1. TWO LOCKING BOLTS 5/8"-11 NC STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) CAP SCREWS 2" LONG WHEN USED WITH SOLID COVER (STND DWG 7-19) OR WHEN SPECIFIED BY ENGINEER.

2. FRAME MATERIAL SHALL BE CAST IRON PER ASTM A48 CLASS 30.

3. SET FRAME TO GRADE & CONSTRUCT ROAD & GUTTER TO BE FLUSH WITH FRAME.

ANDREW W. ZAGARS
STATE OF WASHINGTON
36109
REGISTERED
PROFESSIONAL ENGINEER
12-21-16

CITY OF SAMMAMISH
DEPARTMENT OF PUBLIC WORKS

STANDARD FRAME INSTALLATION

APPROVED BY
CITY ENGINEER _____ DATE _____

REV	DWN	CKD	DATE	FILE
	XXX	XXX	AUG-XX-2015	FIG07-18

REV. NO. X

NO.	REVISIONS	DATE
1		
2		
3		
4		
5		

DATE: 05/2018
DESIGNED BY: I. DIAZ
DRAWN BY: I. DIAZ
REVIEWED BY: S. CHEN
ISABEL DIAZ
PROJECT MANAGER / ENGINEER

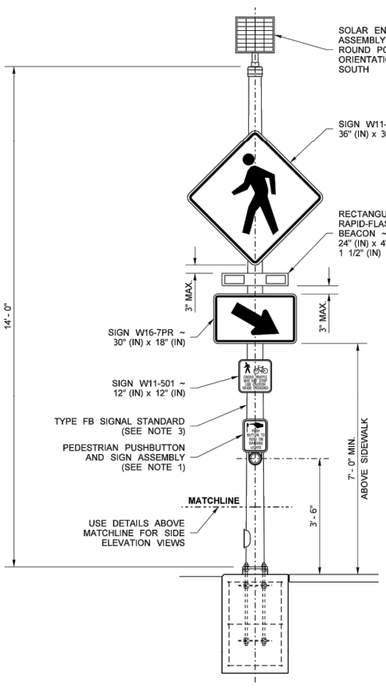
811 Know what's below. Call before you dig.

City of Sammamish Washington

EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
STANDARD PLANS AND DETAILS

PROJECT NUMBER

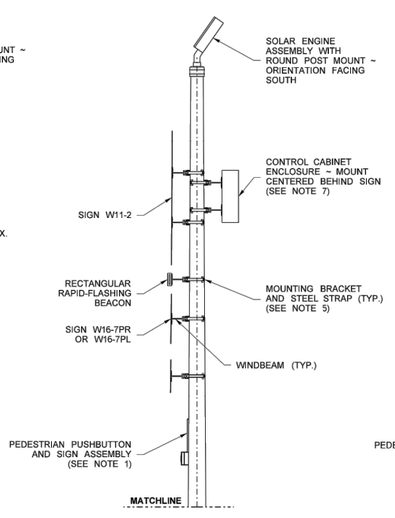
SHEET 12 OF 14



FRONT ELEVATION VIEW

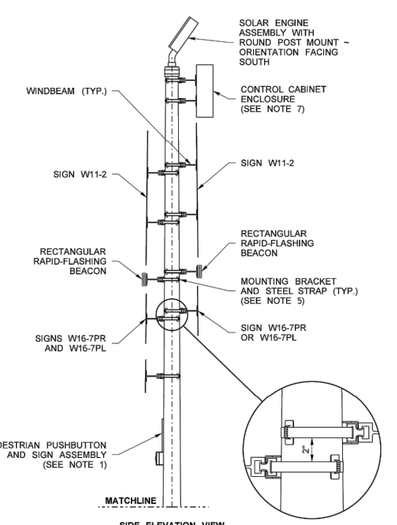
RECTANGULAR RAPID-FLASHING BEACON (WITH SOLAR ENGINE)

FIXED BASE AND CONCRETE SQUARE FOUNDATION SHOWN (SEE NOTES 2 & 4)



SIDE ELEVATION VIEW

UNI-DIRECTIONAL CONFIGURATION DETAILS



SIDE ELEVATION VIEW

BI-DIRECTIONAL CONFIGURATION DETAILS

FILE NAME	S:\Design R P& S\I4-Standards\2-Plan Sheet Library\01-Published PSL\(IS) Illumination, Signals, and ITS\(IS-22 & IS-23) Rectangular Rapid Flashing Beacon (RRFB) & Pedestrian Crossing Details\IS-22.dgn			REGION NO.	STATE	FED.AID PROJ.NO.	Plot 2
TIME	8:24:46 AM				WASH		PLAN REF NO IS-22
DATE	6/29/2017				JOB NUMBER		
PLOTTED BY	liddelf						SHEET 2 OF 2 SHEETS
DESIGNED BY					CONTRACT NO.	LOCATION NO.	
ENTERED BY							
CHECKED BY							
PROJ. ENGR.							
REGIONAL ADM.	REVISION	DATE	BY		P.E. STAMP BOX DATE	P.E. STAMP BOX DATE	

Washington State Department of Transportation

RRFB DETAILS

NO.	REVISIONS	DATE
1		
2		
3		
4		
5		

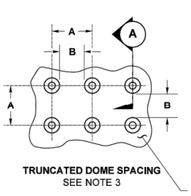
DATE: 05/2018
DESIGNED BY: I. DIAZ
DRAWN BY: I. DIAZ
REVIEWED BY: S. CHEN
PROJECT MANAGER/ ENGINEER: ISABEL DIAZ

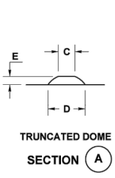
City of Sammamish Washington

EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
STANDARD PLANS AND DETAILS

PROJECT NUMBER

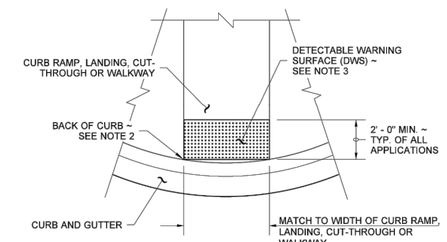
SHEET 13 OF 14





	MIN.	MAX.
A	1.60"	2.40"
B	0.65"	—
C	0.45"	0.90"
D	0.9"	1.40"
E	0.2"	0.2"

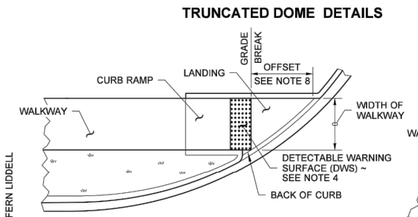
TRUNCATED DOME DETAILS



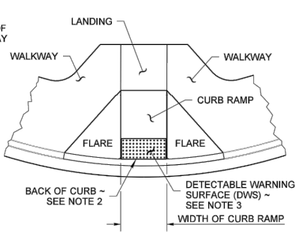
DETECTABLE WARNING SURFACE DETAIL

NOTES

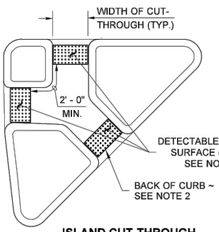
1. The Detectable Warning Surface (DWS) shall extend the full width of the curb ramp, landing, or other roadway entrance as applicable. Exception: If the Manufacturer of the DWS requires a concrete border around the DWS, a variance of up to 2 inches on each side of the DWS is permitted.
2. The Detectable Warning Surface (DWS) shall be placed at the back of curb, with the two leading corners of the DWS panel placed adjacent to the back of the curb, and with no more than a 2 inch gap between the DWS and the back of the curb measured at the center of the DWS panel. Exception: If the Manufacturer of the selected DWS requires a concrete border around the DWS, a variance of up to 2 inches from the back of the curb is permitted (measured at the leading corners of the DWS panel).
3. The rows of truncated domes shall be aligned to be perpendicular to the grade break at the back of curb.
4. The rows of truncated domes shall be aligned to be parallel to the direction of travel.
5. If curb and gutter are not present, such as a shared-use path connection, the Detectable Warning Surface shall be placed at the pavement edge.
6. See **Standard Plans** for sidewalk and curb ramp details.
7. If a curb ramp is required, the location of the Detectable Warning Surface must be at the bottom of the ramp and within the required distance from the rail.
8. When the grade break between the curb ramp and the landing is less than or equal to 5 ft. from the back of curb at all points, place the Detectable Warning Surface on the bottom of the curb ramp directly above the grade break.



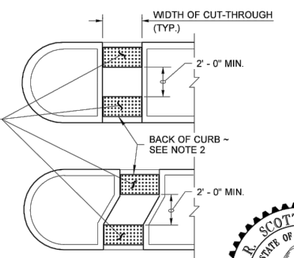
SINGLE DIRECTION CURB RAMP
(GRADE BREAK BETWEEN CURB AND LANDING ≤ 5 FT. FROM BACK OF CURB)
(SEE NOTE 6)



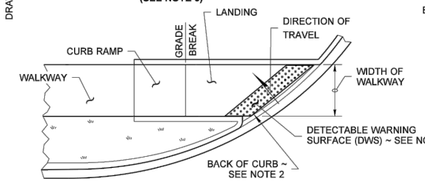
PERPENDICULAR CURB RAMP
(SEE NOTE 6)



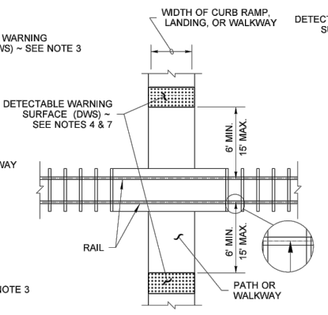
ISLAND CUT-THROUGH



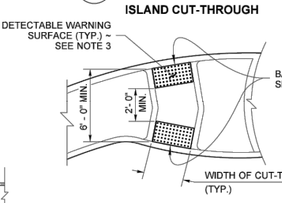
MEDIAN CUT-THROUGH



SINGLE DIRECTION CURB RAMP
(GRADE BREAK BETWEEN CURB AND LANDING > 5 FT. FROM BACK OF CURB)
(SEE NOTE 6)

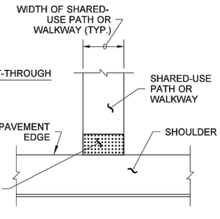


PEDESTRIAN RAILROAD CROSSING

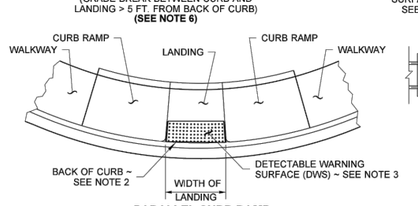


ROUNDABOUT SPLITTER ISLAND

PLACEMENT GUIDELINES



SHARED-USE PATH CONNECTION



PARALLEL CURB RAMP
(SEE NOTE 6)

R. SCOTT ZELLER STATE OF WASHINGTON 28680 REGISTERED PROFESSIONAL ENGINEER

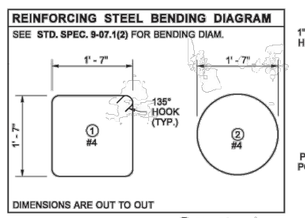
Zeller, Scott
Jul 12 2016 4:25 PM

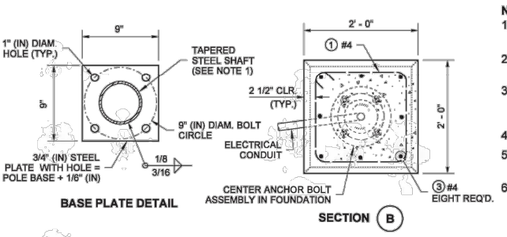
DETECTABLE WARNING SURFACE

STANDARD PLAN F-45.10-02

SHEET 1 OF 1 SHEET

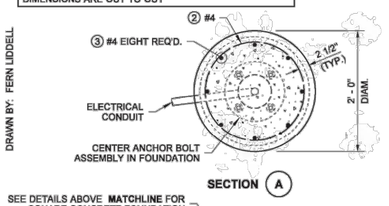
APPROVED FOR PUBLICATION
Carpenter, Jeff
Jul 15 2016 3:26 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation

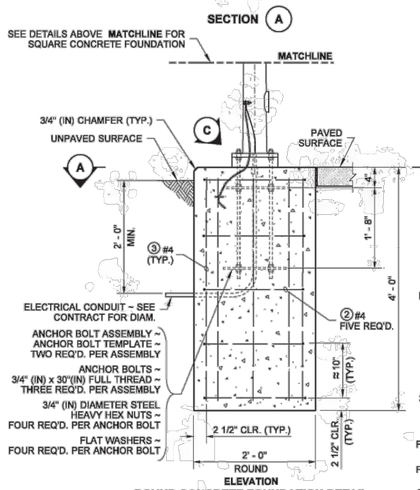


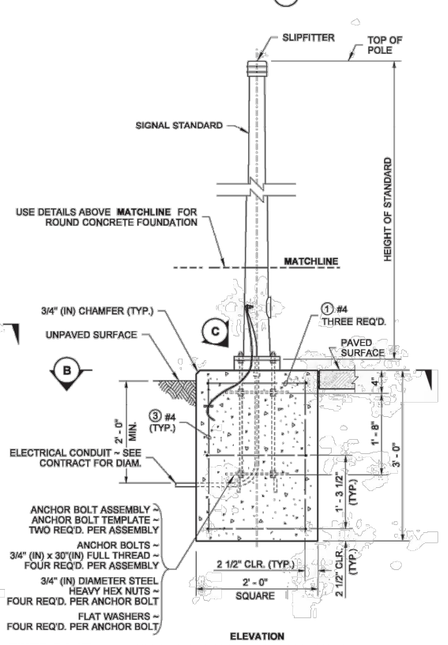


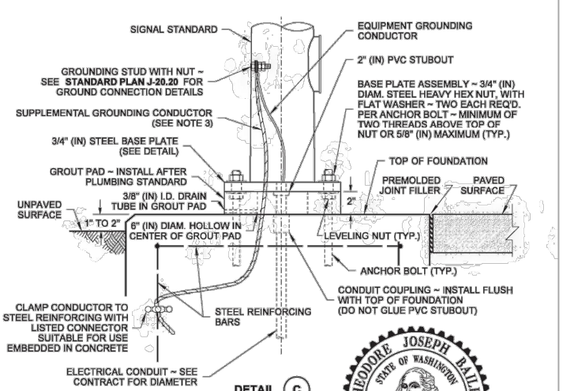
NOTES

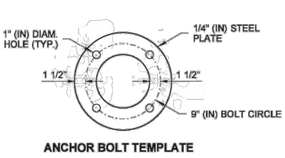
1. Clamping bolts shall be tightened to 50 ft-lbs max. torque. After state inspection, burr threads to prevent nut rotation. DO NOT OVERTIGHTEN.
2. The final height of the Anchor Bolts shall be below the top of the slip plate assembly to ensure proper function of the slip base.
3. Supplemental grounding conductor shall be non-insulated #4 AWG stranded copper and shall be clamped to vertical rebar with a connector suitable for use embedded in concrete: Provide 3' - 0" min. slack. Attach to pole grounding stud with a full circle crimp-on connector (crimped with a manufacturer recommended crimper).
4. Junction box serving the Standard shall preferably be located 5' - 0" (10' - 0" Max.) from the Standard.
5. Provide cable tie at wiring entering the junction box (for slip base installations only) ~ See **Detail A, Standard Plan J-28.70**.
6. Keeper Plate shall not extend beyond the edges of the pole base plate.











Bailey, Ted
Jun 26 2014 4:29 PM

TYPE PS, TYPE 1, RM & FB SIGNAL STANDARD FOUNDATION DETAILS

STANDARD PLAN J-21.10-04

SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION
Balcomb, Thom
Jun 30 2014 3:13 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation

DRAWN BY: FERN LIDDELL

NO.	REVISIONS	DATE
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2		
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4		
5		

DATE: 05/2018
DESIGNED BY: I. DIAZ
DRAWN BY: I. DIAZ
REVIEWED BY: S. CHEN
ISABEL DIAZ
PROJECT MANAGER/ ENGINEER

City of Sammamish Washington

EAST LAKE SAMMAMISH PKWY SE
CROSSWALK PROJECT
SAMMAMISH, WASHINGTON
STANDARD PLANS AND DETAILS

PROJECT NUMBER

SHEET 14 OF 14

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